

1   **What is claimed is:**

2           1.    A       three-dimensional       engaging       device,  
3   comprising:

4           a first fastener having a side wall, a first block,  
5                and a second block, the first and second blocks  
6                being respectively connected to the side wall;  
7                and

8           a second fastener engaged with the first fastener,  
9           wherein the side wall of the first faster constrains  
10           the second fastener in a direction x; the first  
11           block constrains the second fastener in a  
12           direction y; and the second block constrains  
13           the second fastener in a direction z, and x, y,  
14           and    z    directions    are    substantially  
15           perpendicular to each other.

1           2.    The engaging device as claimed in claim 1,  
2   wherein the second fastener is a flexible hook.

1           3.    The engaging device as claimed in claim 2,  
2   wherein the first block is wedge-shaped.

1           4.    The engaging device as claimed in claim 2,  
2   wherein the second fastener includes a body and a  
3   connecting portion connected to the body.

1           5.    The engaging device as claimed in claim 4,  
2   wherein the second fastener is h-shaped.

1           6.    The engaging device as claimed in claim 4,  
2   wherein the second fastener is U-shaped.

1           7.    The engaging device as claimed in claim 4,  
2    wherein a hole is formed on the side wall of the first  
3    fastener, and the body of the second fastener faces the  
4    hole of the first fastener when the first fastener and  
5    the second fastener are engaged.

1           8.    The engaging device as claimed in claim 1,  
2    wherein the second fastener is contained inside the first  
3    fastener when the first fastener and the second fastener  
4    are engaged.